ABSTRACT OF THE DISCLOSURE

A client driver requests data packet transfers from a peripheral device through a protocol stack and a host controller. The protocol stack receives the data transfer request and allocates the request into the host controller schedule. The host controller schedule requests the data of the peripheral device, and directs the received data into previously allocated buffers. The host controller then sends a signal to the client driver that the respective buffers are filled. The host controller can then deactivate the instructions in the host controller schedule until further notice so that the instructions do not need to be deleted from the schedule. The client driver extracts the data from the buffer, and sends a signal to the host controller that the buffer can be used again. The request in the host controller schedule can then be reactivated without having to necessarily re-insert new instructions into the host controller schedule.

WORKMAN NYDEGGER
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111